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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Brett P. Monia et al.

Serial No.: Not yet assigned Group No.: Not yet assigned

Filed: herewith

For: **Antisense Modulation of Histone deacetylase 1 Expression**



BOX SEQUENCE

Assistant Commissioner for Patents
Washington DC 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above identified application, no additional fee is required.

Copies of each of the references listed on the attached Form PTO-1449 are enclosed.

Date: December 18, 2000

Respectfully submitted,

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Form PTO-1449 Modified	Docket No. RTS-0140	Serial No.
List of Patents and Publications Cited by Application (Use several sheets if necessary)	Applicant Brett P. Monia et al.	
U.S. Department of Commerce Patent and Trademark Office	Filing Date	Group

U.S. PATENT DOCUMENTS

Examiner's Initial		Document No.	Date	Name	Class	Subclass
	AA	5,659,016	08/19/1997	Nakamura et al.	530	358
	AB	5,763,182	06/09/1998	Nakamura et al.	435	6
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					

FOREIGN PATENT DOCUMENTS

Examiner's Initial		Document No.	Date	Country	Translation YES NO
	AO	WO 99/23885	05/20/1999	PCT	X
	AP	EP 0 708 112 A1	04/24/1996	EPC	X
	AQ				
	AR				
	AS				
	AT				
	AU				
	AV				
	AW				
	AX				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Ayer, Histone deacetylases: transcriptional repression with SINers and NuRDs, Trends Cell. Biol., 1999, 9:193-198	
	AB	Brehm et al., Retinoblastoma protein recruits histone deacetylase to repress transcription, Nature, 1998, 391:597-601	
	AC	Brehm et al., The E7 oncoprotein associates with Mi2 and histone deacetylase activity to promote cell growth, Embo J., 1999, 18:2449-2458	
	AD	David et al., Histone deacetylase associated with mSin3A mediates repression by the acute promyelocytic leukemia-associated PLZF protein, Oncogene, 1998, 16:2549-2556	
	AE	Dhordain et al., The LAZ3(BCL-6) oncoprotein recruits a SMRT/mSIN3A/histone deacetylase containing complex to mediate transcriptional repression, Nucleic Acids Res., 1998, 26:4645-4651	
	AF	Fenrick et al., Role of histone deacetylases in acute leukemia, J. Cell. Biochem. Suppl., 1998, 31:194-202	
	AG	Hassig et al., Histone deacetylase activity is required for full transcriptional repression by mSin3A, Cell, 1997, 89:341-347	
	AH	Hassig et al., A role for histone deacetylase activity in HDAC1-mediated transcriptional repression, Proc. Natl. Acad. Sci. U. S. A., 1998, 95:3519-3524	
	AI	Johnson et al., Histone deacetylases: complex transducers of nuclear signals [see comments], Semin. Cell. Dev. Biol., 1999, 10:179-188	
	AJ	Kouzarides, Histone acetylases and deacetylases in cell proliferation, Curr. Opin. Genet. Dev., 1999, 9:40-48	
	AK	Kwon et al., Depudecin induces morphological reversion of transformed fibroblasts via the inhibition of histone deacetylase, Proc. Natl. Acad. Sci. U. S. A., 1998, 95:3356-3361	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AL	Laherty et al., <i>Histone deacetylases associated with the mSin3 corepressor mediate mad transcriptional repression, Cell, 1997, 89:349-356</i>	
	AM	Li et al., <i>Transcriptional repression of the cystic fibrosis transmembrane conductance regulator gene, mediated by CCAAT displacement protein/cut homolog, is associated with histone deacetylation, J. Biol. Chem., 1999, 274:7803-7815</i>	
	AN	Magnaghi-Jaulin et al., <i>Retinoblastoma protein represses transcription by recruiting a histone deacetylase, Nature, 1998, 391:601-605</i>	
	AO	Nagy et al., <i>Nuclear receptor repression mediated by a complex containing SMRT, mSin3A, and histone deacetylase, Cell, 1997, 89:373-380</i>	
	AP	Richon et al., <i>A class of hybrid polar inducers of transformed cell differentiation inhibits histone deacetylases, Proc. Natl. Acad. Sci. U. S. A., 1998, 95:3003-3007</i>	
	AQ	Struhl, <i>Histone acetylation and transcriptional regulatory mechanisms, Genes Dev., 1998, 12:599-606</i>	
	AR	Taunton et al., <i>A mammalian histone deacetylase related to the yeast transcriptional regulator Rpd3p, Science, 1996, 272:408-411</i>	
	AS	Wang et al., <i>ETO, fusion partner in t(8;21) acute myeloid leukemia, represses transcription by interaction with the human N-CoR/mSin3/HDAC1 complex, Proc. Natl. Acad. Sci. U. S. A., 1998, 95:10860-10865</i>	
	AT	Wang et al., <i>Inhibitors of histone deacetylase relieve ETO-mediated repression and induce differentiation of AML1-ETO leukemia cells, Cancer Res., 1999, 59:2766-2769</i>	
	AU	Yarden et al., <i>BRCA1 interacts with components of the histone deacetylase complex, Proc. Natl. Acad. Sci. U. S. A., 1999, 96:4983-4988</i>	
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	AV	Zhang et al., <i>The dermatomyositis-specific autoantigen Mi2 is a component of a complex containing histone deacetylase and nucleosome remodeling activities</i> , Cell, 1998 , 95:279-289	
	AW	Zhang et al., <i>Analysis of the NuRD subunits reveals a histone deacetylase core complex and a connection with DNA methylation</i> , Genes Dev., 1999 , 13:1924-1935	
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